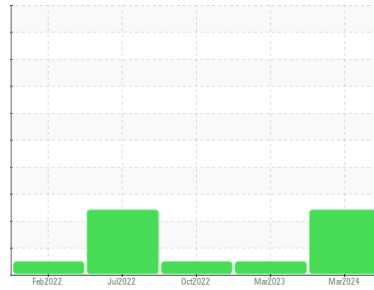


OIL ANALYSIS REPORT

Area
K5 CONSTRUCTION CORPORATION - HODGKINS IL
 Machine Id
1325
 Component
Right Outer Planetary
 Fluid
LEAHY WOLF LUBEMASTER HYDRAULIC OIL (3 GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation
 We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear
 All component wear rates are normal.

Contamination
 Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Fluid Condition
 The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PCA0122051	LW0006511	LW0006063
Sample Date	Client Info			29 Mar 2024	27 Mar 2023	19 Oct 2022
Machine Age	hrs Client Info			3384	2190	1441
Oil Age	hrs Client Info			1194	1409	280
Oil Changed	Client Info			Changed	Changed	Not Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	NEG	NEG	NEG

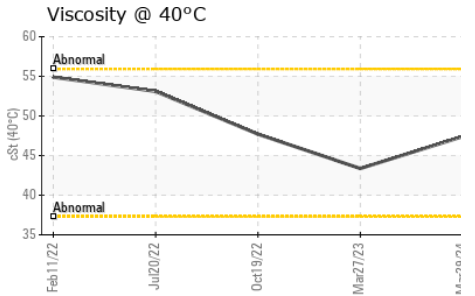
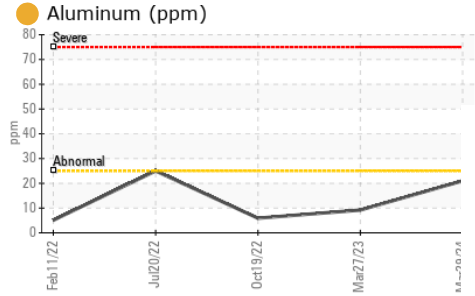
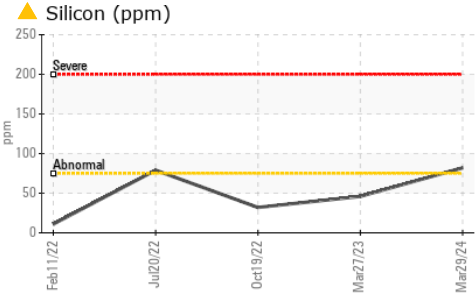
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m		>500	153	100	59
Chromium	ppm ASTM D5185m		>10	<1	<1	<1
Nickel	ppm ASTM D5185m		>10	<1	<1	0
Titanium	ppm ASTM D5185m			2	<1	<1
Silver	ppm ASTM D5185m			0	0	0
Aluminum	ppm ASTM D5185m		>25	21	9	6
Lead	ppm ASTM D5185m		>25	0	<1	0
Copper	ppm ASTM D5185m		>75	0	0	<1
Tin	ppm ASTM D5185m		>10	<1	0	0
Vanadium	ppm ASTM D5185m			0	0	0
Cadmium	ppm ASTM D5185m			0	0	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m			62	100	98
Barium	ppm ASTM D5185m			0	0	2
Molybdenum	ppm ASTM D5185m			2	5	5
Manganese	ppm ASTM D5185m			2	1	<1
Magnesium	ppm ASTM D5185m			89	101	83
Calcium	ppm ASTM D5185m			2599	3367	3367
Phosphorus	ppm ASTM D5185m			1008	1070	1062
Zinc	ppm ASTM D5185m			1170	1451	1346
Sulfur	ppm ASTM D5185m			4260	3680	3628

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m		>75	82	46	32
Sodium	ppm ASTM D5185m			2	<1	0
Potassium	ppm ASTM D5185m		>20	10	3	4

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar *Visual		NONE	NONE	MODER	MODER
Yellow Metal	scalar *Visual		NONE	NONE	NONE	NONE
Precipitate	scalar *Visual		NONE	NONE	NONE	NONE
Silt	scalar *Visual		NONE	MODER	NONE	NONE
Debris	scalar *Visual		NONE	NONE	NONE	NONE
Sand/Dirt	scalar *Visual		NONE	NONE	NONE	NONE
Appearance	scalar *Visual		NORML	NORML	NORML	NORML
Odor	scalar *Visual		NORML	NORML	NORML	NORML
Emulsified Water	scalar *Visual		>0.2	NEG	NEG	NEG
Free Water	scalar *Visual			NEG	NEG	NEG

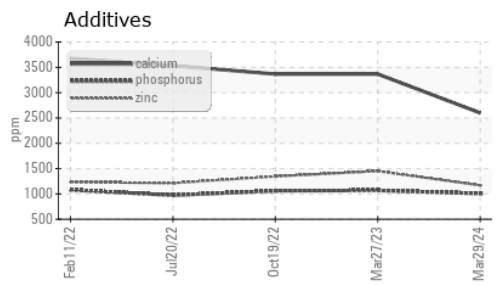
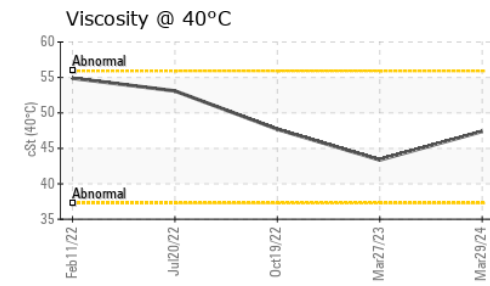
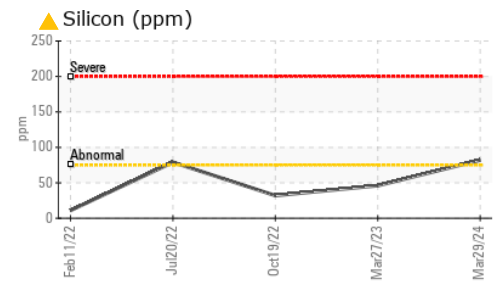
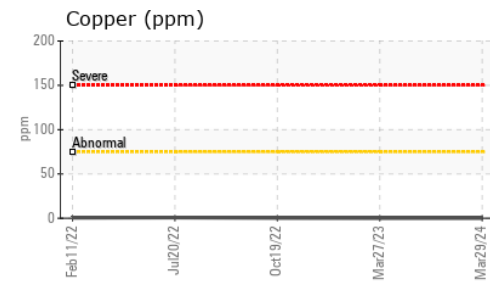
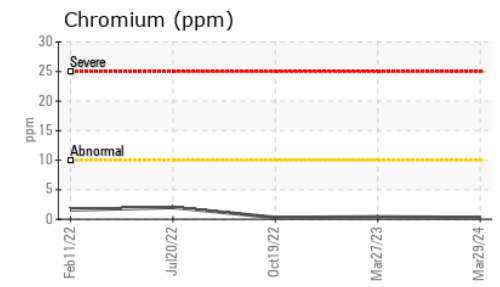
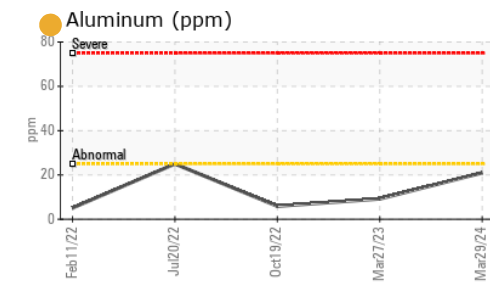
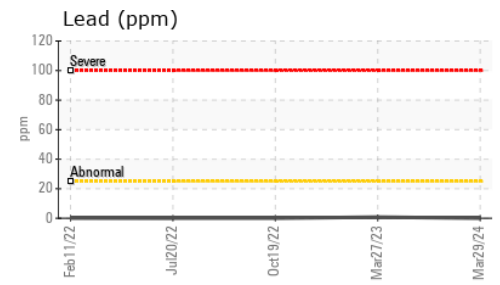
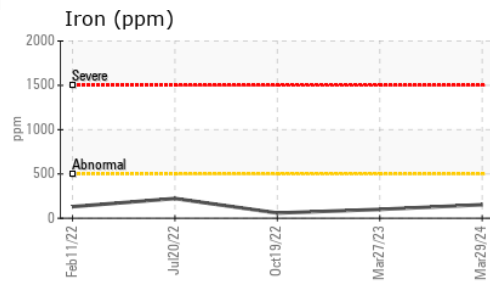
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		47.4	43.37	47.7

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0122051
Lab Number : 06137797
Unique Number : 10962605
Test Package : MOB 1

Received : 03 Apr 2024
Tested : 04 Apr 2024
Diagnosed : 05 Apr 2024 - Sean Felton

K5 CONSTRUCTION CORPORATION
 6301 S EAST AVENUE
 HODGKINS, IL
 US 60525
 Contact: FRANCISCO MUNOZ
 franciscom@k-five.net

To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)